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3/8/07 APPARATUS AND METHOD FOR A MULTI-POLARIZED ANTENNA

CROSS-REFERENCE TO RELATED APPLICATIONS/INCORPORATION BY
REFERENCE

[01] This application is a continuation-in-part (C-I-P) of co-pending patent application serial number 10/294,420 filed on November 14, 2002, *now U.S. Patent 6,806,841,* which is incorporated herein by reference in its entirety.

[02] U.S. Patent 6,496,152 issued on December 17, 2002 is incorporated herein by reference in its entirety.

TECHNICAL FIELD

[03] Certain embodiments of the present invention relate to portable and fixed antennas for wireless communications. More particularly, certain embodiments of the present invention relate to an apparatus and method providing a multi-polarized antenna exhibiting substantial spatial diversity for use in cellular telephone applications, wireless laptop and desktop personal computer (PC) applications, maritime applications, aviation applications, satellite and space applications, and planetary radio communications.

BACKGROUND OF THE INVENTION

[04] For years, wireless communications including Wi-Fi, WWAN, and WLAN, Cell/PCS phones, Land Mobile radio, aircraft, satellite, etc. have struggled with limitations of audio/video/data transport and internet connectivity in both obstructed (indoor/outdoor) and line-of-site (LOS) deployments.

[05] A focus on gain as well as circuitry solutions have proven to have significant limitations. Unresolved, non-optimized (leading edge) technologies have often given way to "bleeding edge" attempted resolutions. Unfortunately, all have fallen short of desirable goals, and some ventures/companies have even gone out of business as a result.